FIG. 1A

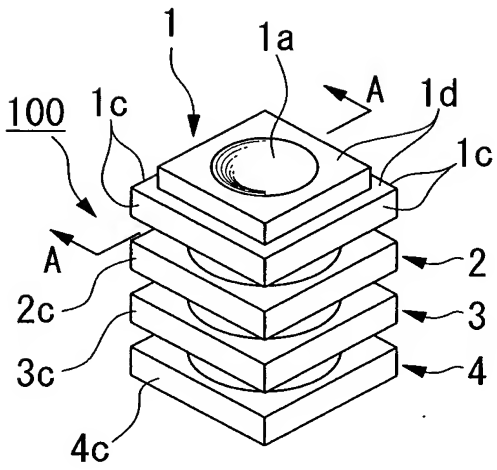


FIG. 1B

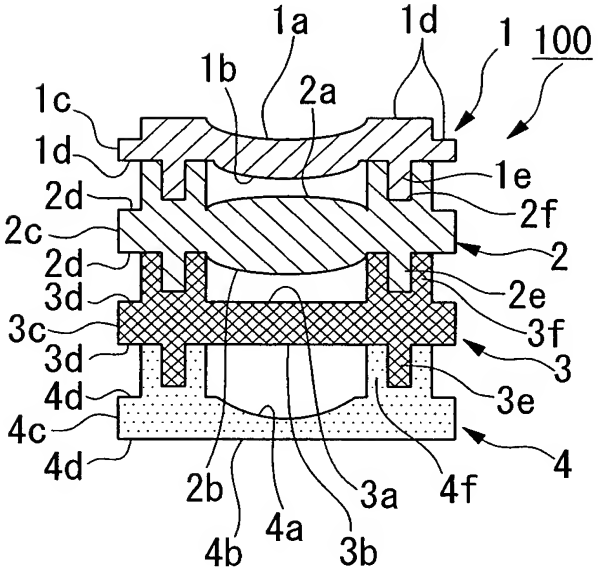


FIG. 2

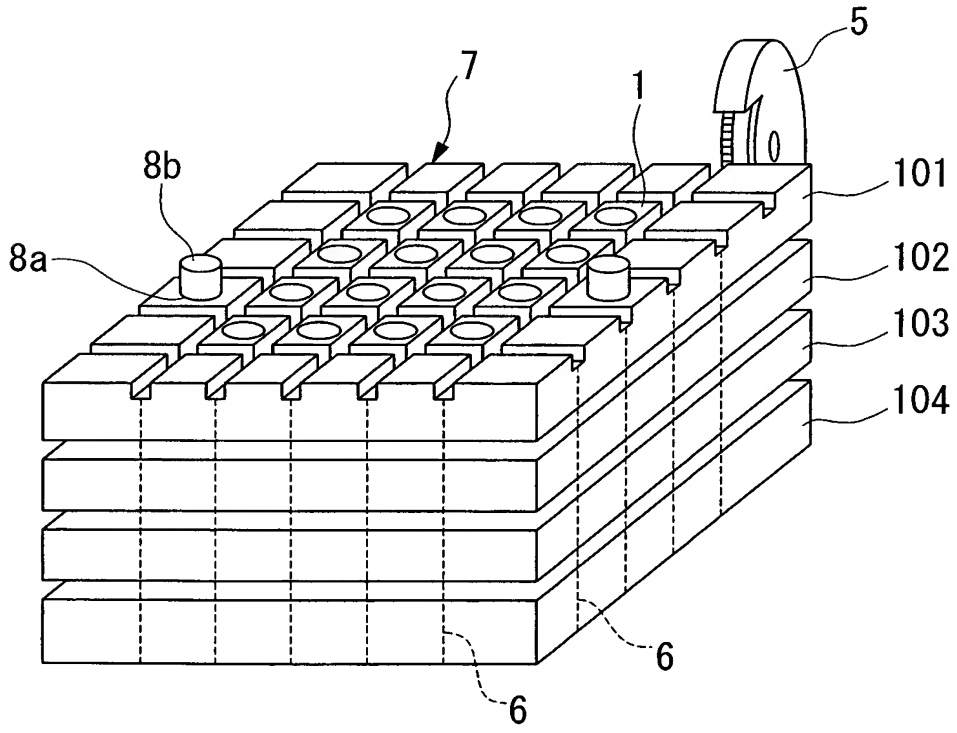


FIG. 3A

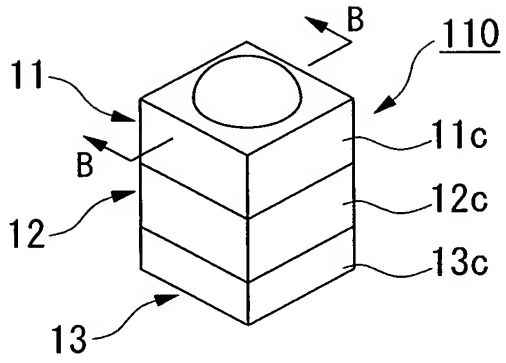


FIG. 3B

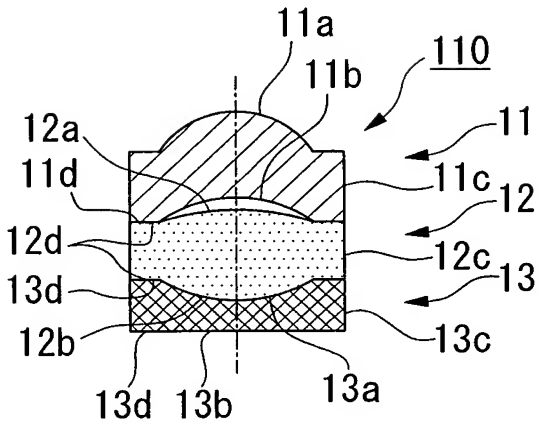


FIG. 3C

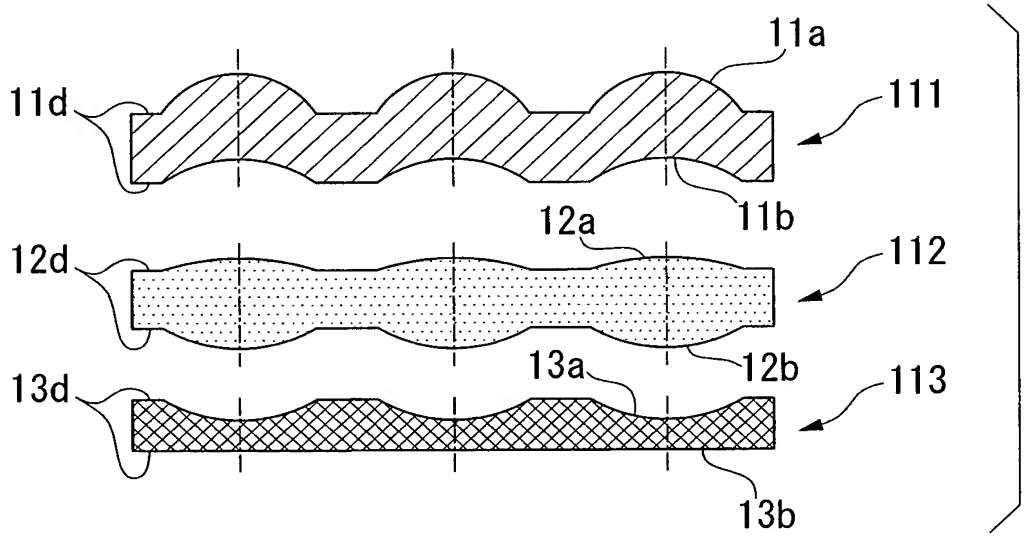


FIG. 3D

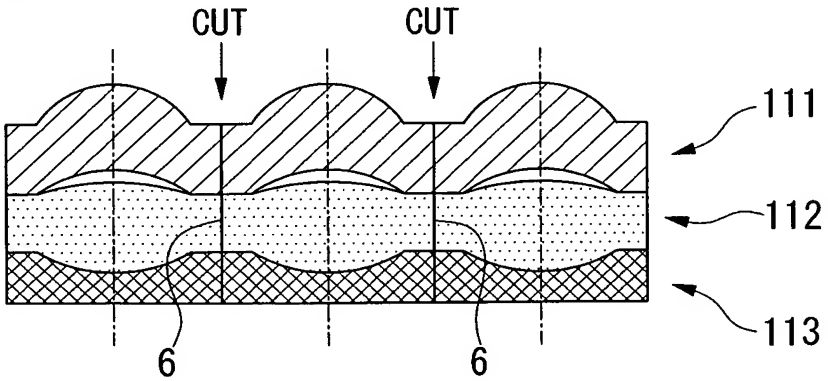


FIG. 4A

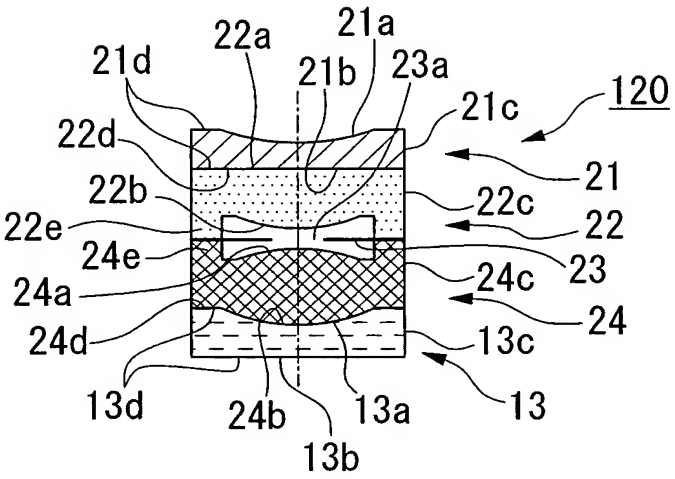


FIG. 4B

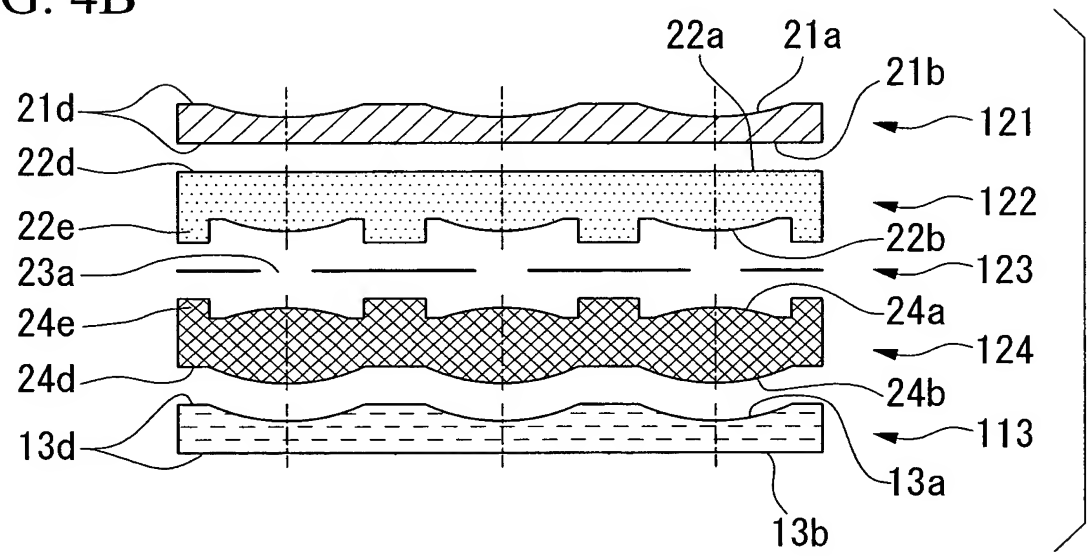


FIG. 4C

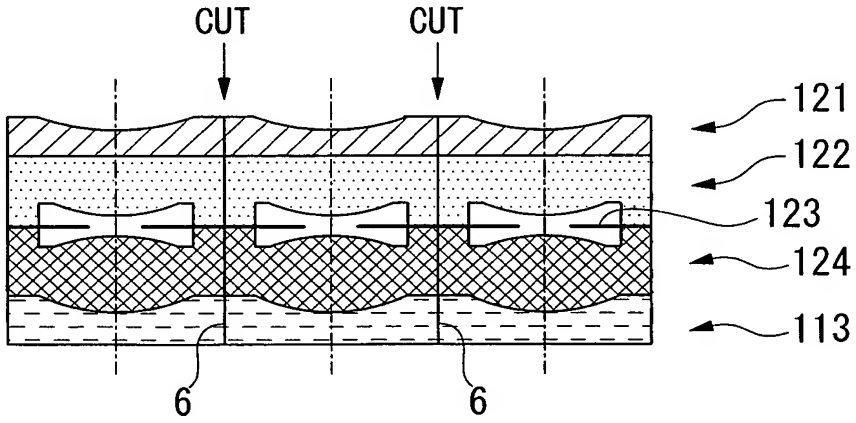


FIG. 5A

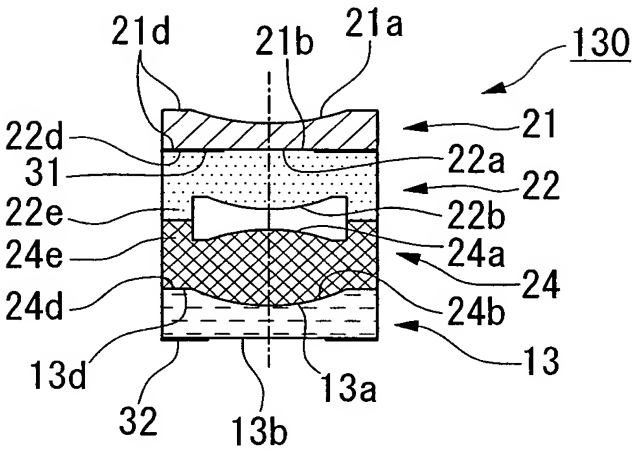


FIG. 5B

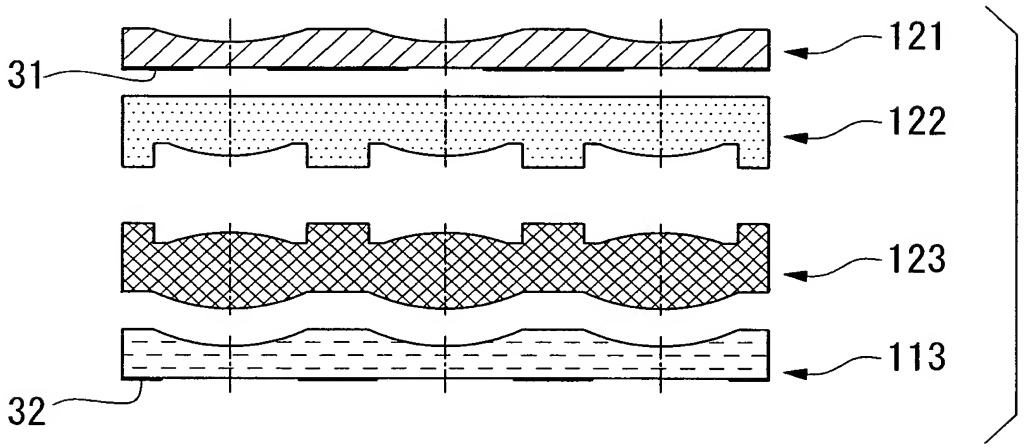


FIG. 5C

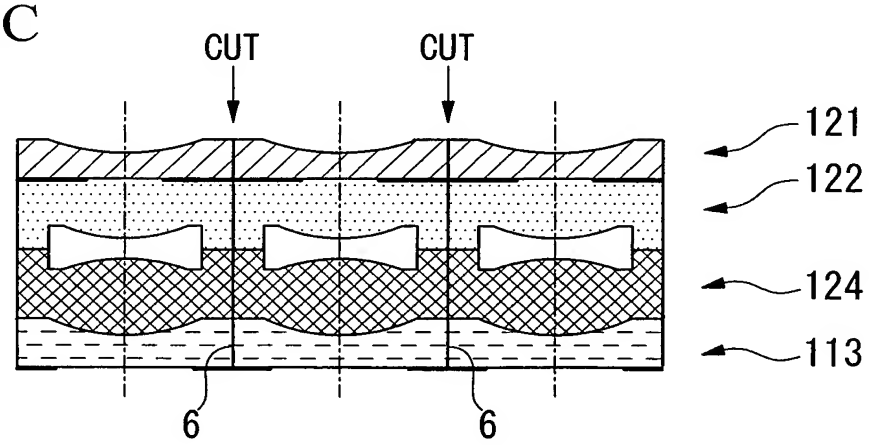


FIG. 6A

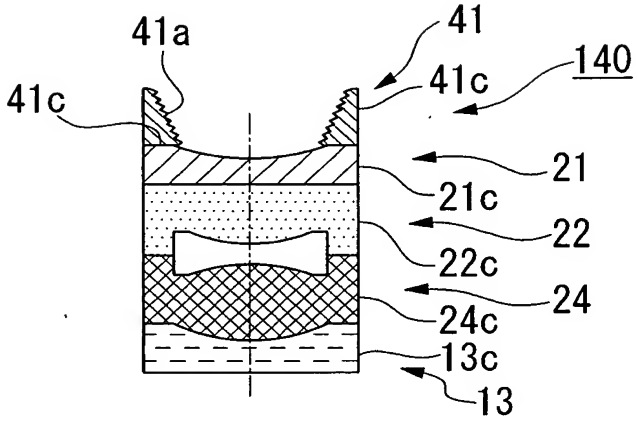


FIG. 6B

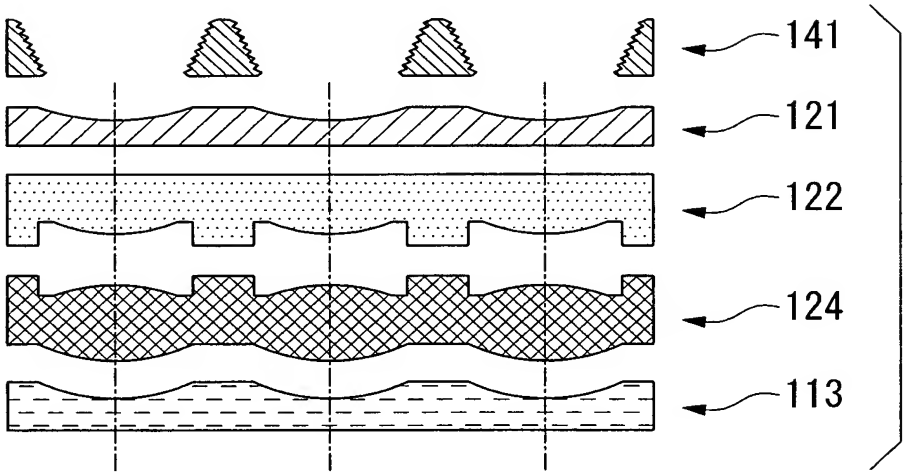


FIG. 6C

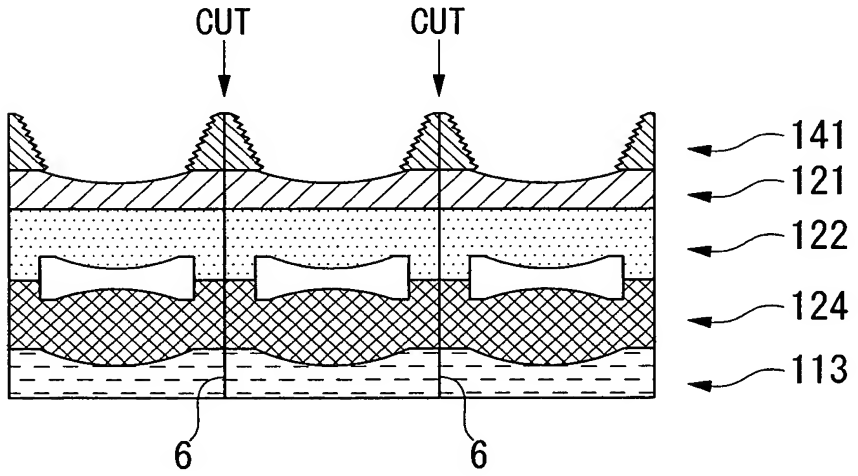


FIG. 7A

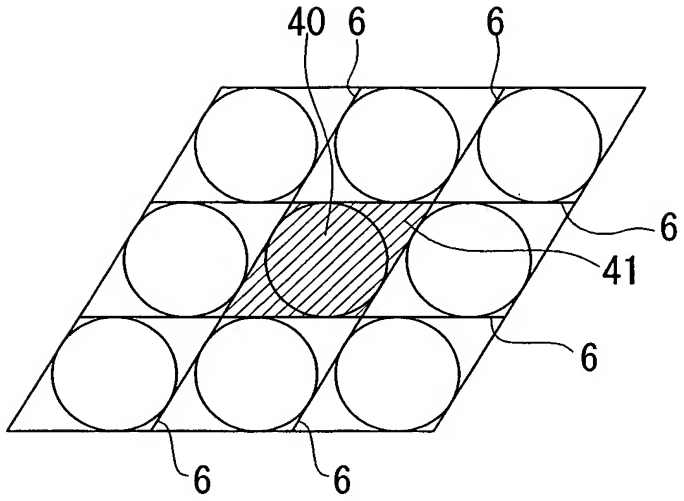


FIG. 7B

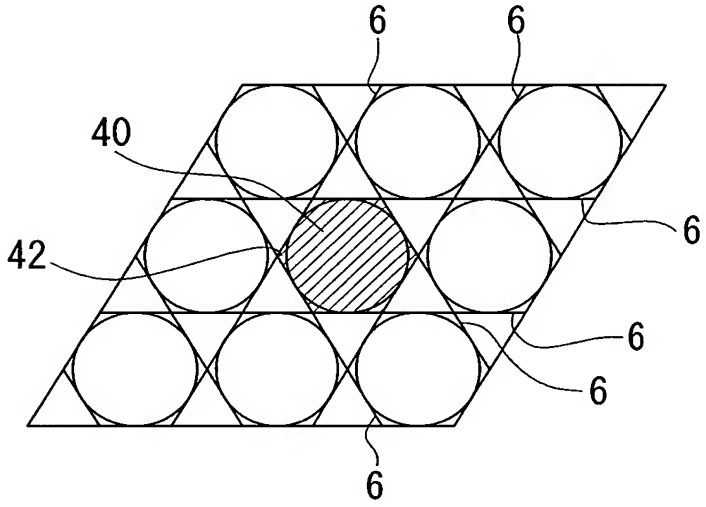


FIG. 7C

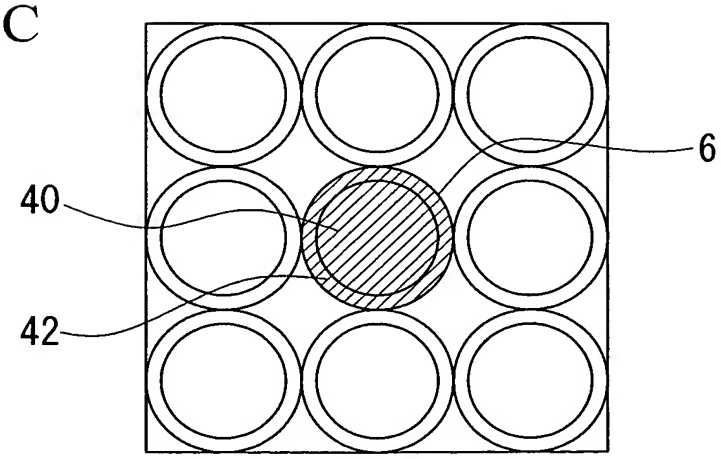


FIG. 8

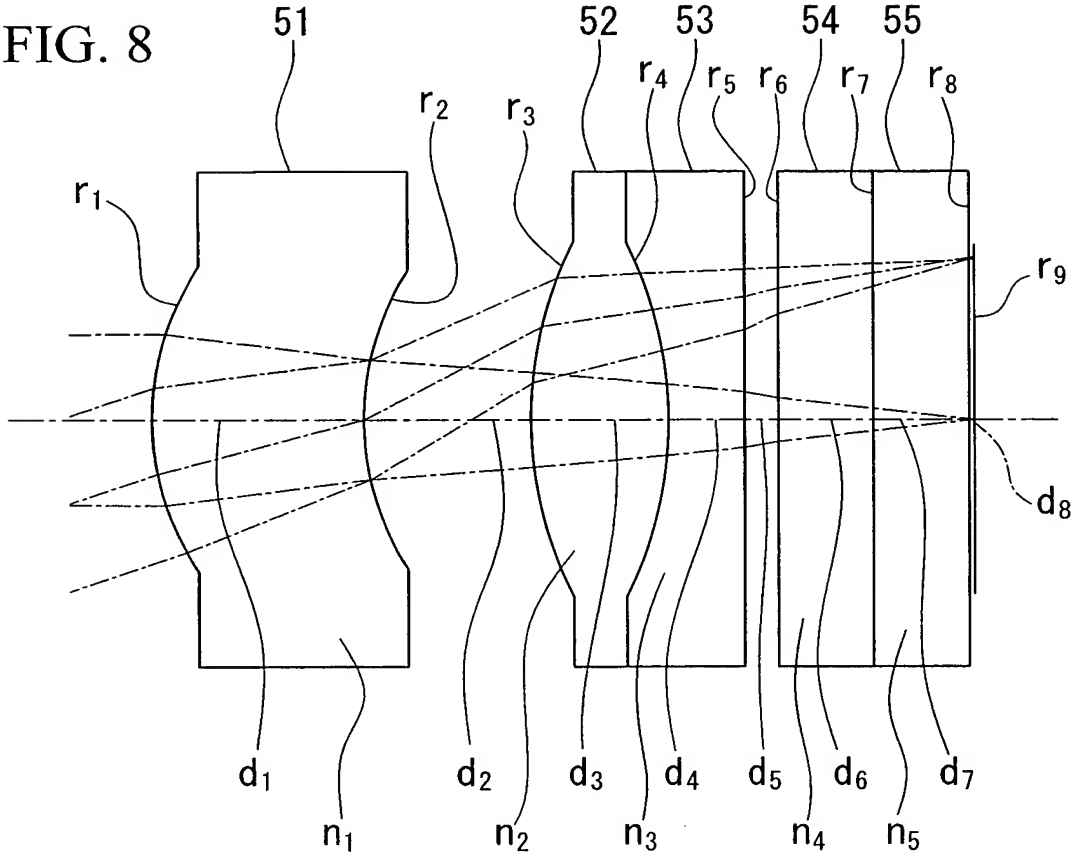
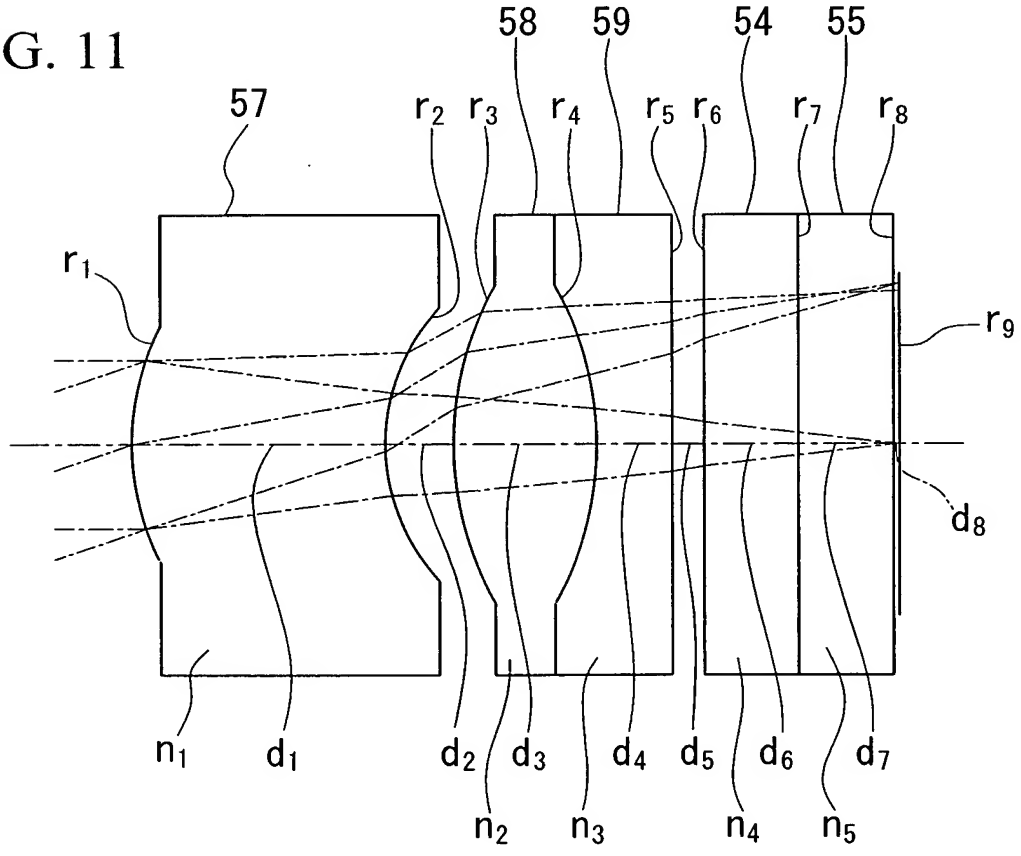

51
52
53
54
55
r1
r2
r3
r4
r5
r6
r7
r8
r9
d1
d2
d3
d4
d5
d6
d7
d8
n1
n2
n3
n4
n5

FIG. 11


57
58
59
54
55
r1
r2
r3
r4
r5
r6
r7
r8
r9
d1
d2
d3
d4
d5
d6
d7
d8
n1
n2
n3
n4
n5

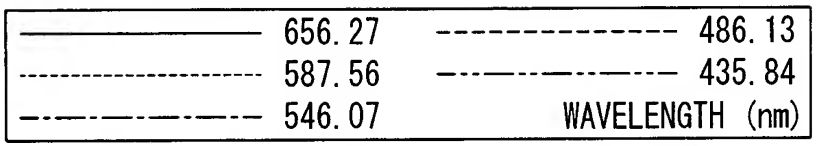


FIG. 9A SPHERICAL ABERRATION

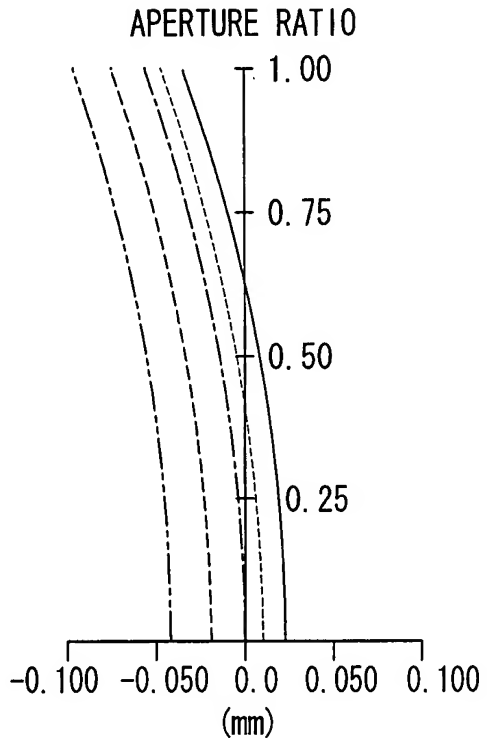


FIG. 9B ASTIGMATISM

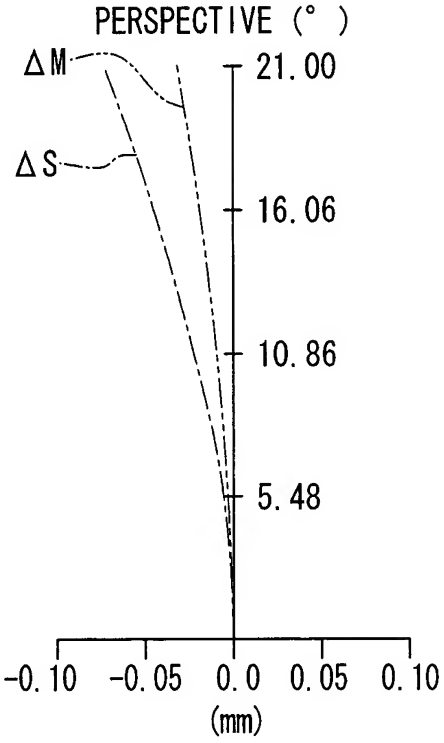


FIG. 9C DISTORTION

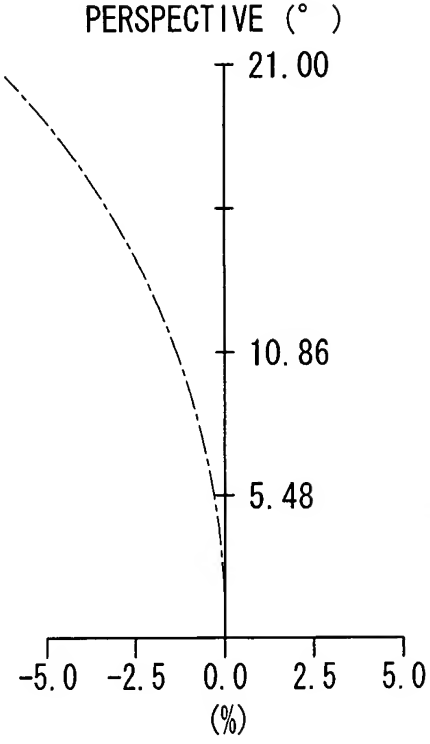


FIG. 10A

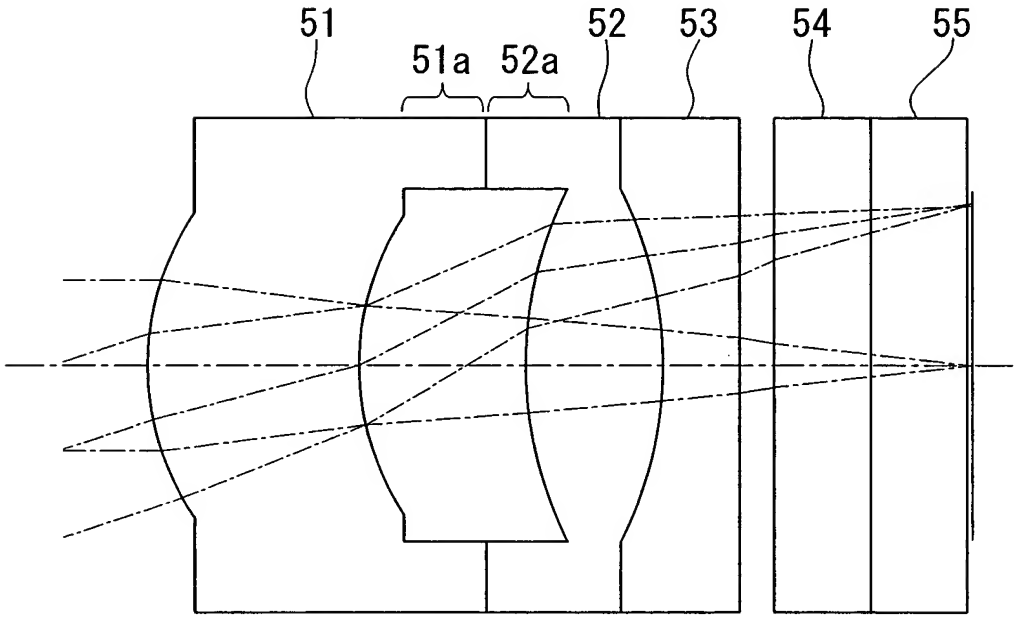
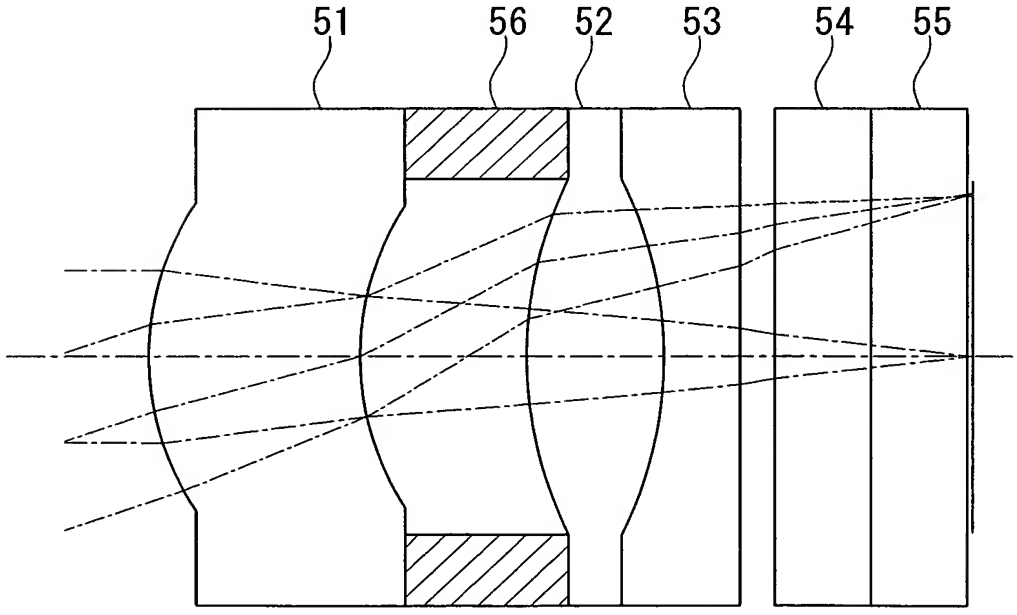


FIG. 10B



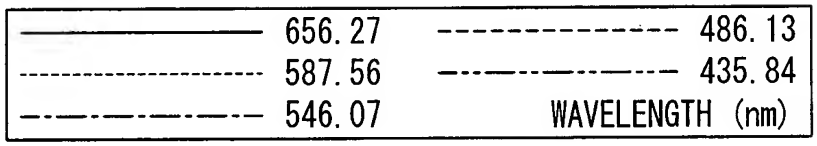


FIG. 12A SPHERICAL ABERRATION

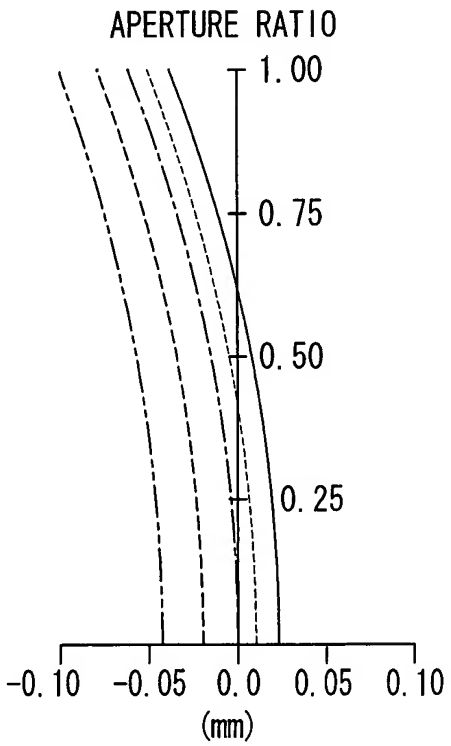


FIG. 12B ASTIGMATISM

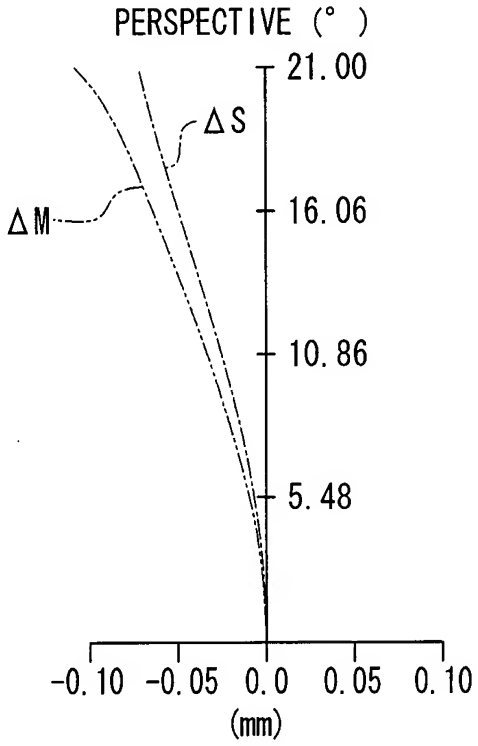


FIG. 12C DISTORTION

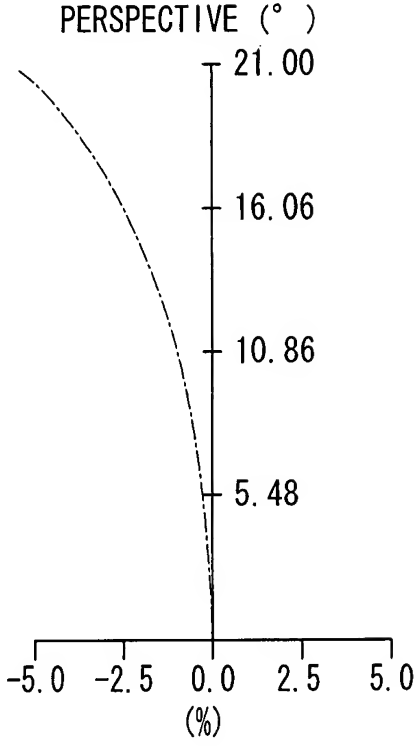
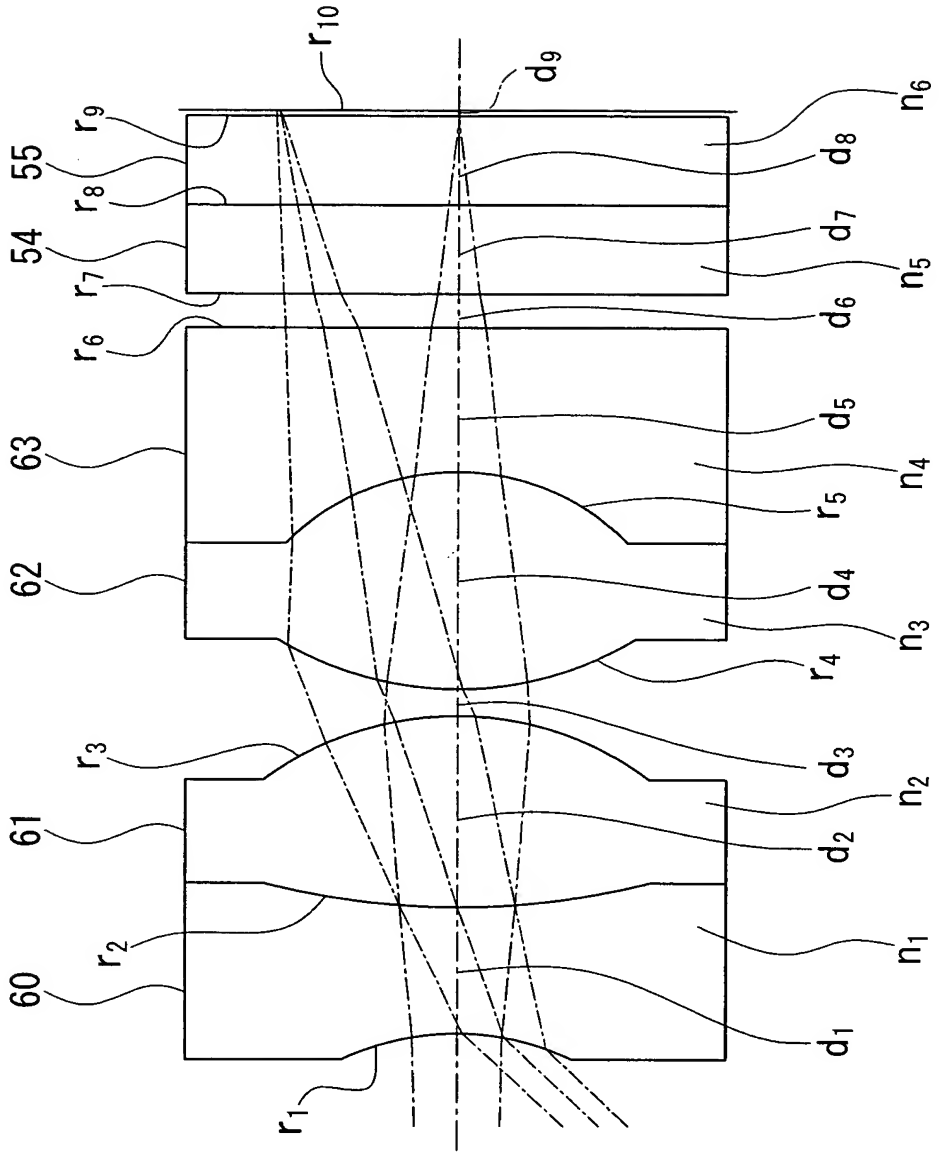


FIG. 13


r10
d9
r9
55
r8
54
r7
r6
63
62
r3
61
r2
60
r1
n6
d8
d7
n5
d6
d5
n4
r5
d4
n3
r4
d3
n2
d2
n1
d1

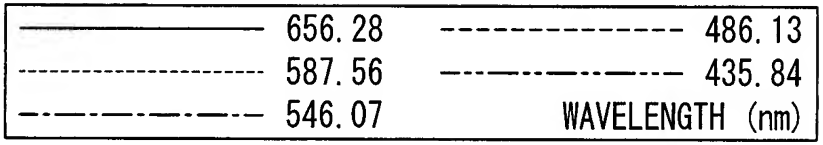


FIG. 14A SPHERICAL ABERRATION

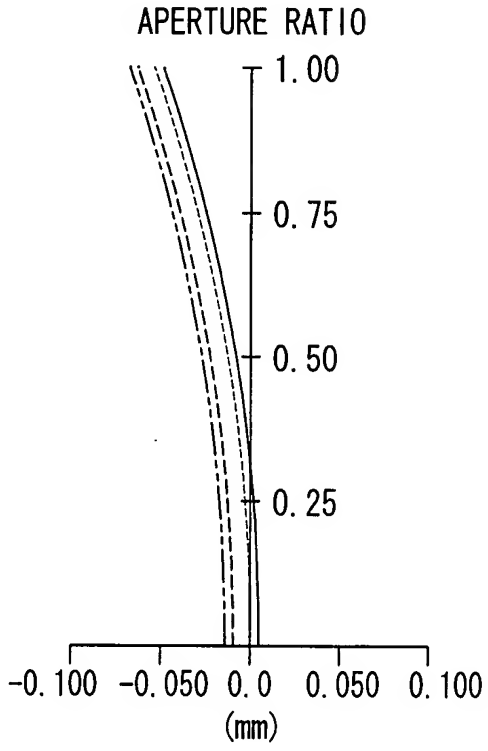


FIG. 14B ASTIGMATISM

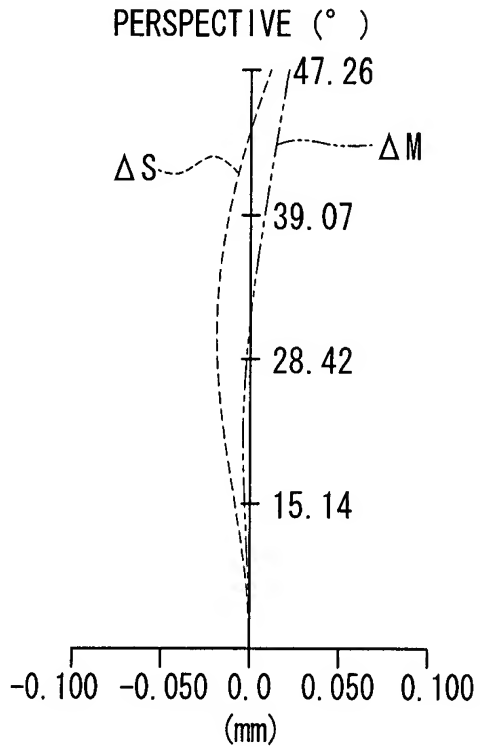


FIG. 14C DISTORTION

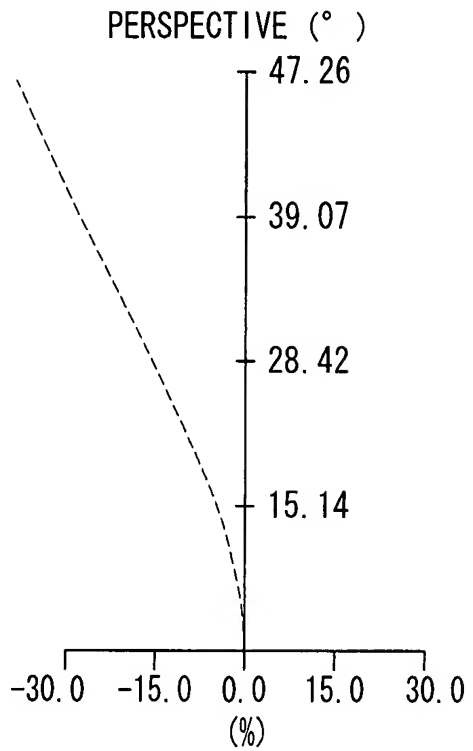
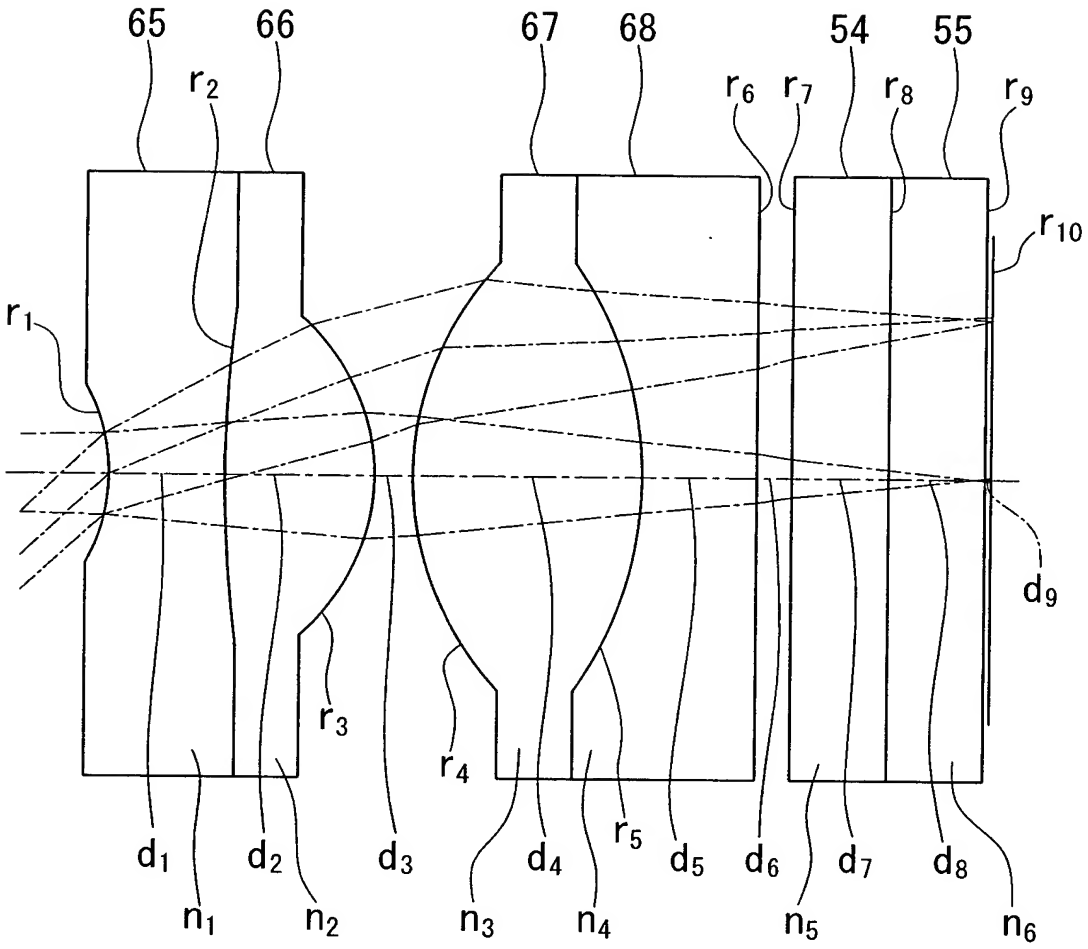


FIG. 15


65
66
67
68
54
55
r2
r6
r7
r8
r9
r10
r1
d9
r3
r4
r5
d1
d2
d3
d4
d5
d6
d7
d8
n1
n2
n3
n4
n5
n6

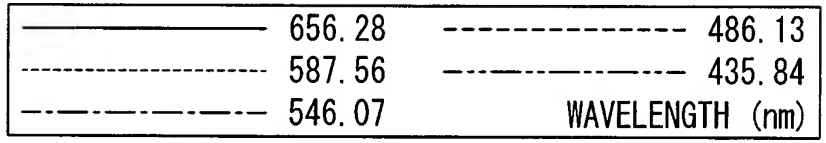


FIG. 16A SPHERICAL ABERRATION

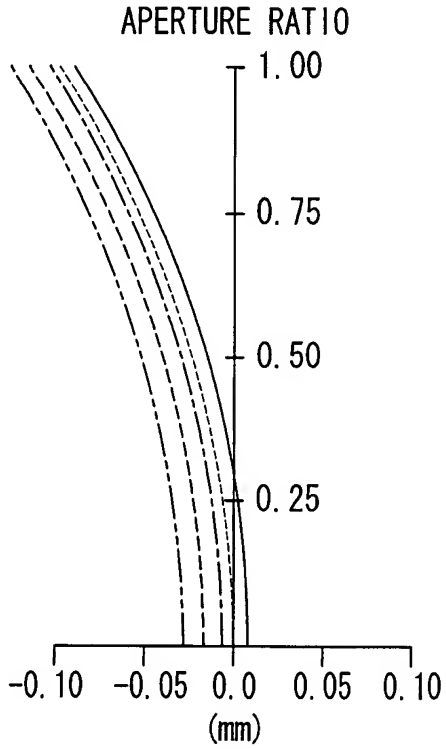


FIG. 16B ASTIGMATISM

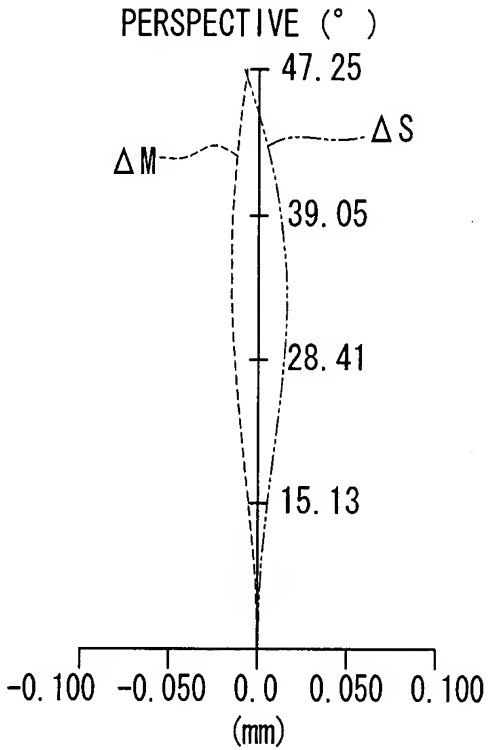


FIG. 16C DISTORTION

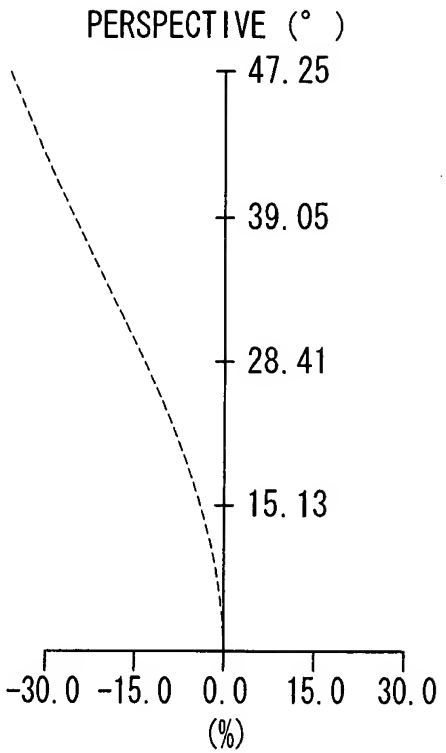
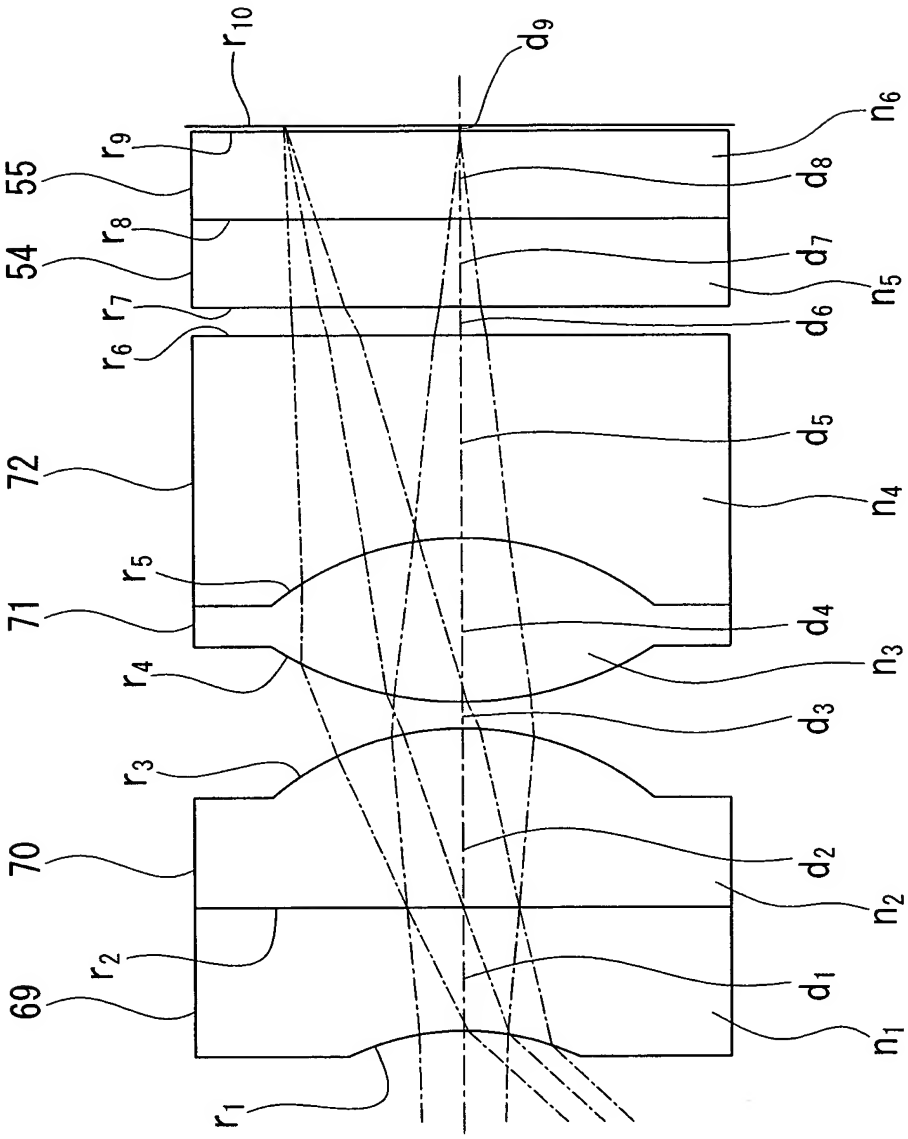


FIG. 17


r10
d9
n6
r9
55
d8
r8
54
d7
n5
r7
d6
r6
72
d5
n4
r5
71
d4
n3
r4
d3
r3
70
d2
n2
r2
69
d1
n1
r1

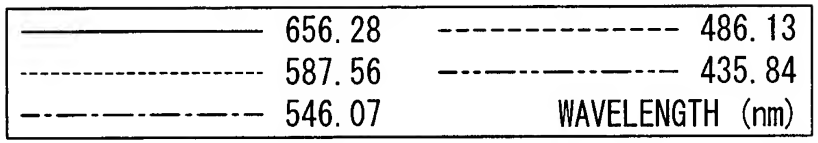


FIG. 18A SPHERICAL ABERRATION

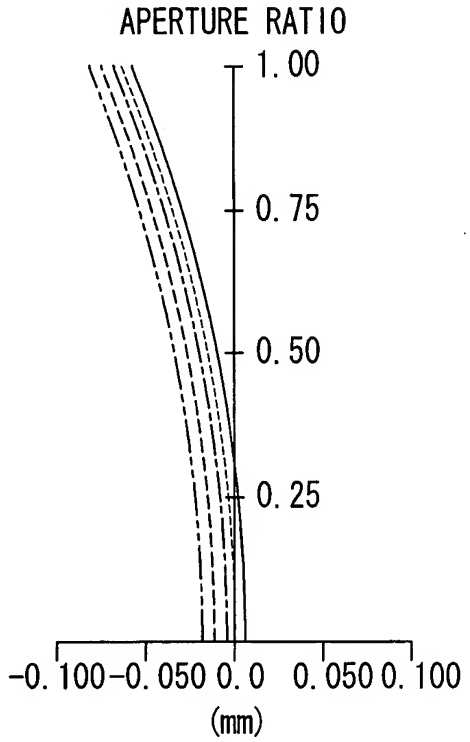


FIG. 18B ASTIGMATISM

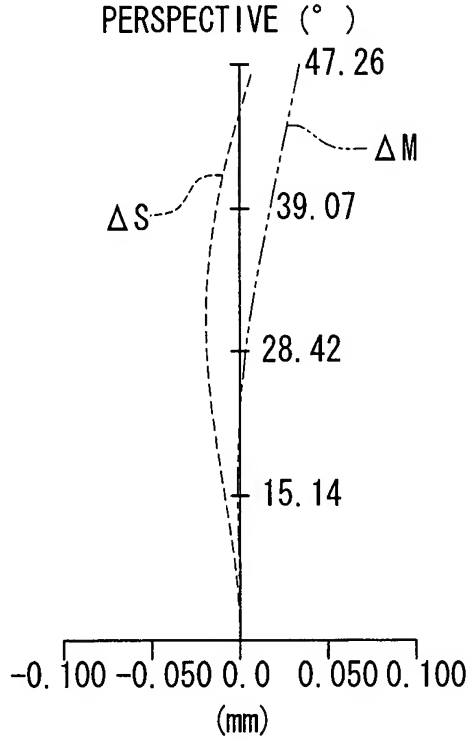


FIG. 18C DISTORTION

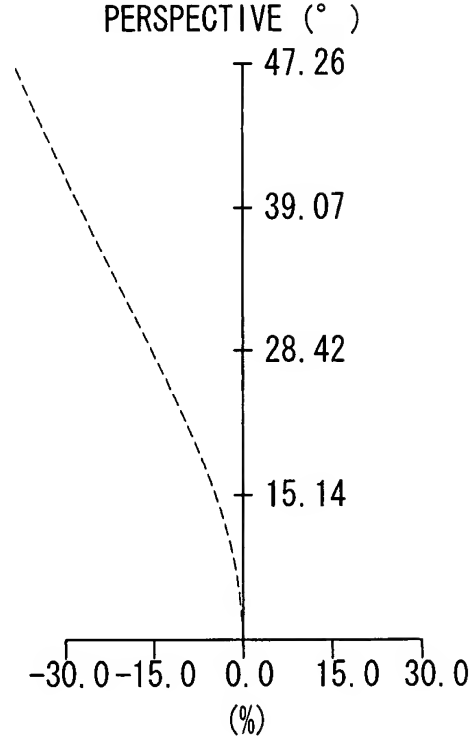


FIG. 19

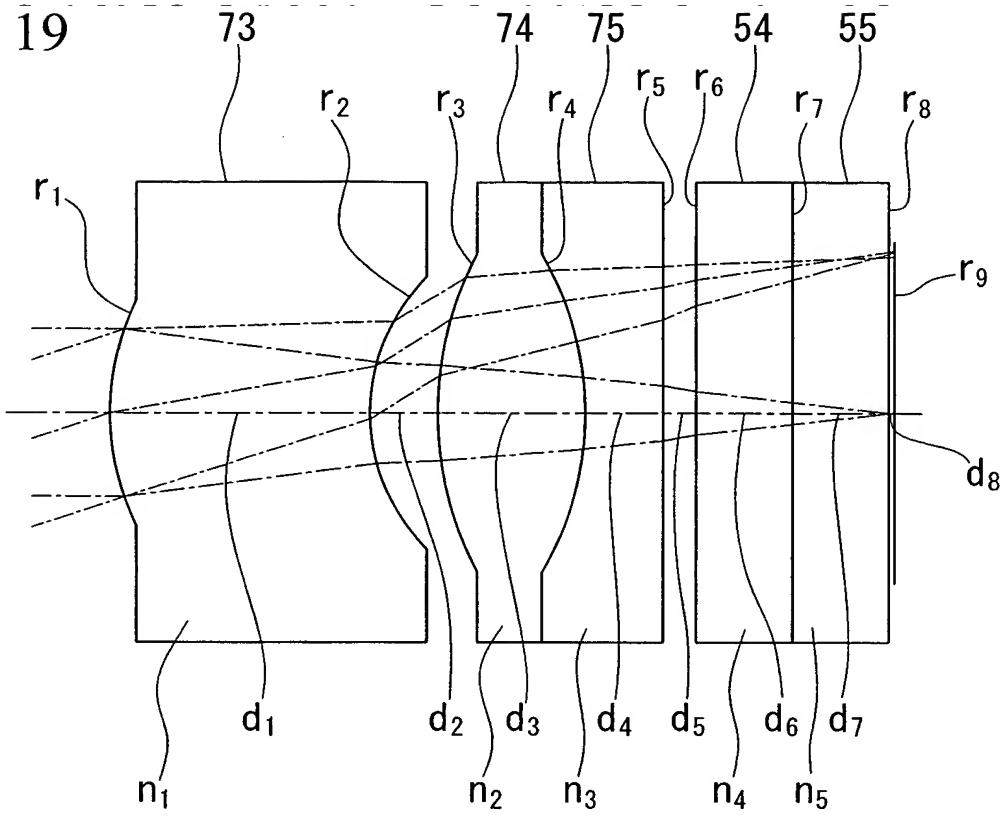
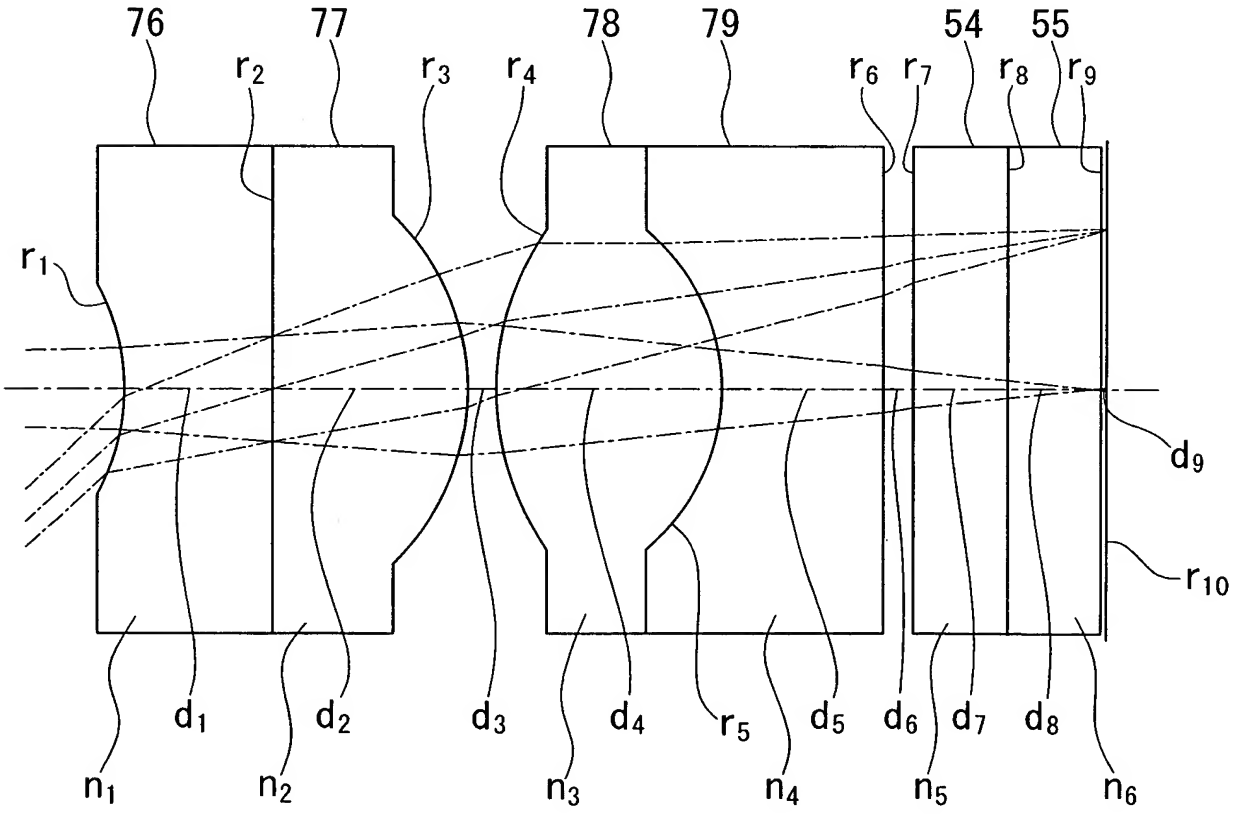

73
74
75
54
55
r1
r2
r3
r4
r5
r6
r7
r8
r9
d8
d1
d2
d3
d4
d5
d6
d7
n1
n2
n3
n4
n5

FIG. 21


76
77
78
79
54
55
r1
r2
r3
r4
r6
r7
r8
r9
d9
r10
d1
d2
d3
d4
r5
d5
d6
d7
d8
n1
n2
n3
n4
n5
n6

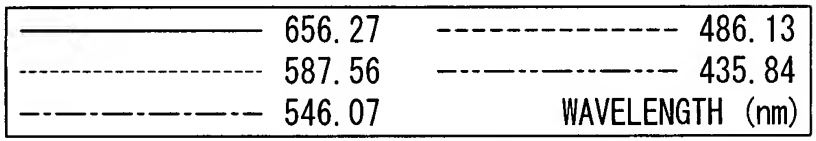


FIG. 20A SPHERICAL ABERRATION

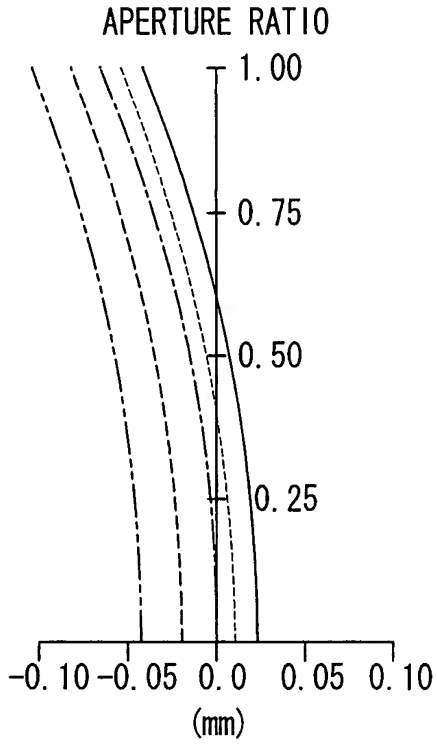


FIG. 20B ASTIGMATISM

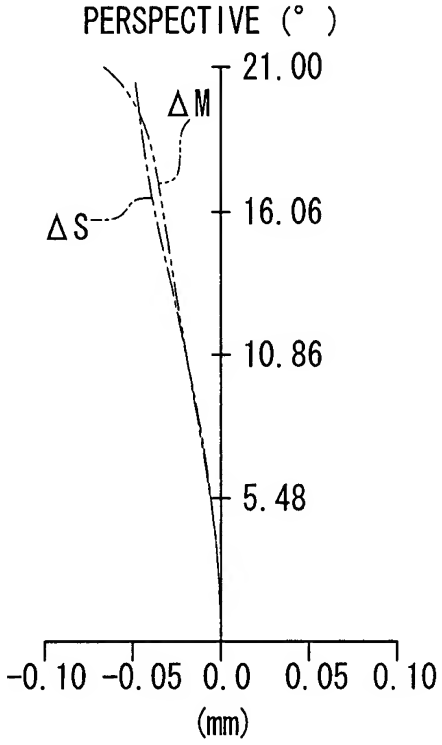
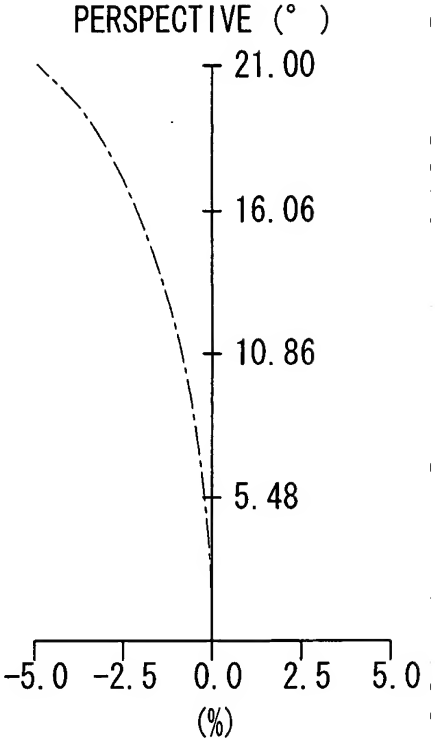


FIG. 20C DISTORTION



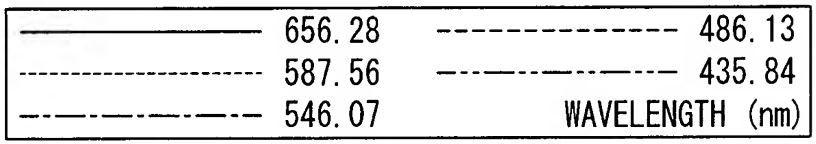


FIG. 22A SPHERICAL ABERRATION

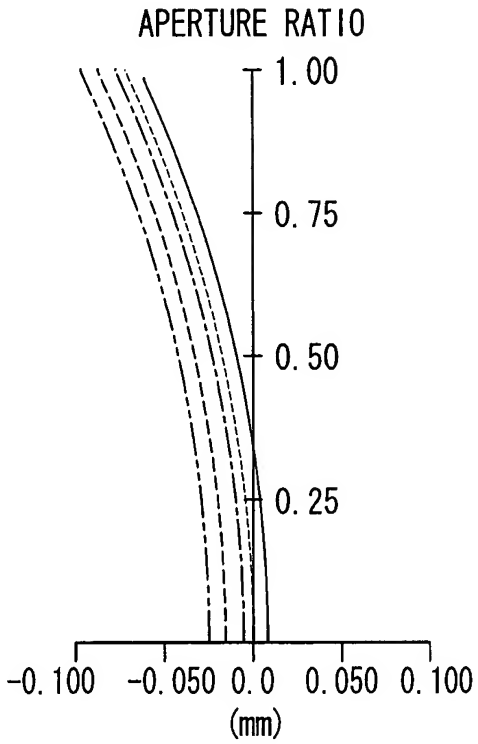


FIG. 22B ASTIGMATISM

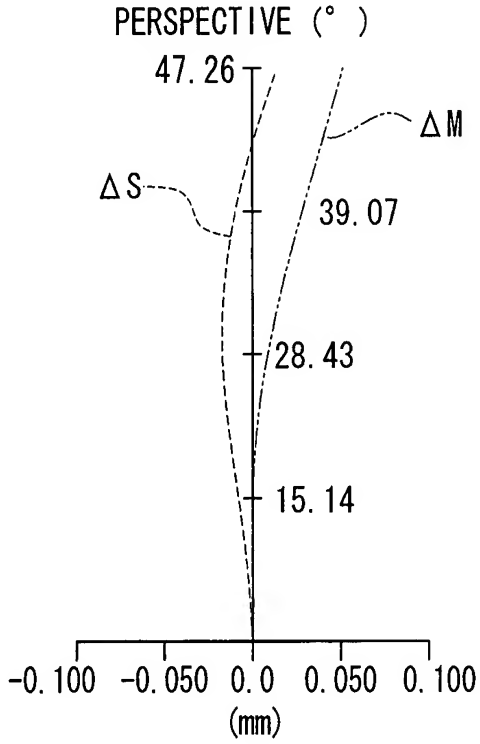


FIG. 22C DISTORTION

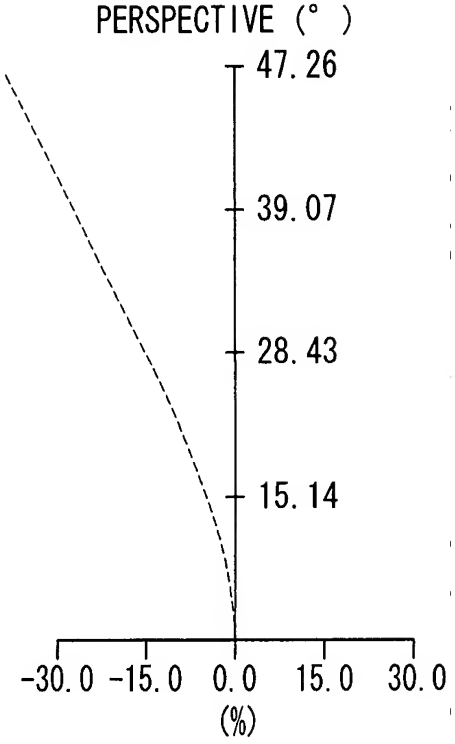
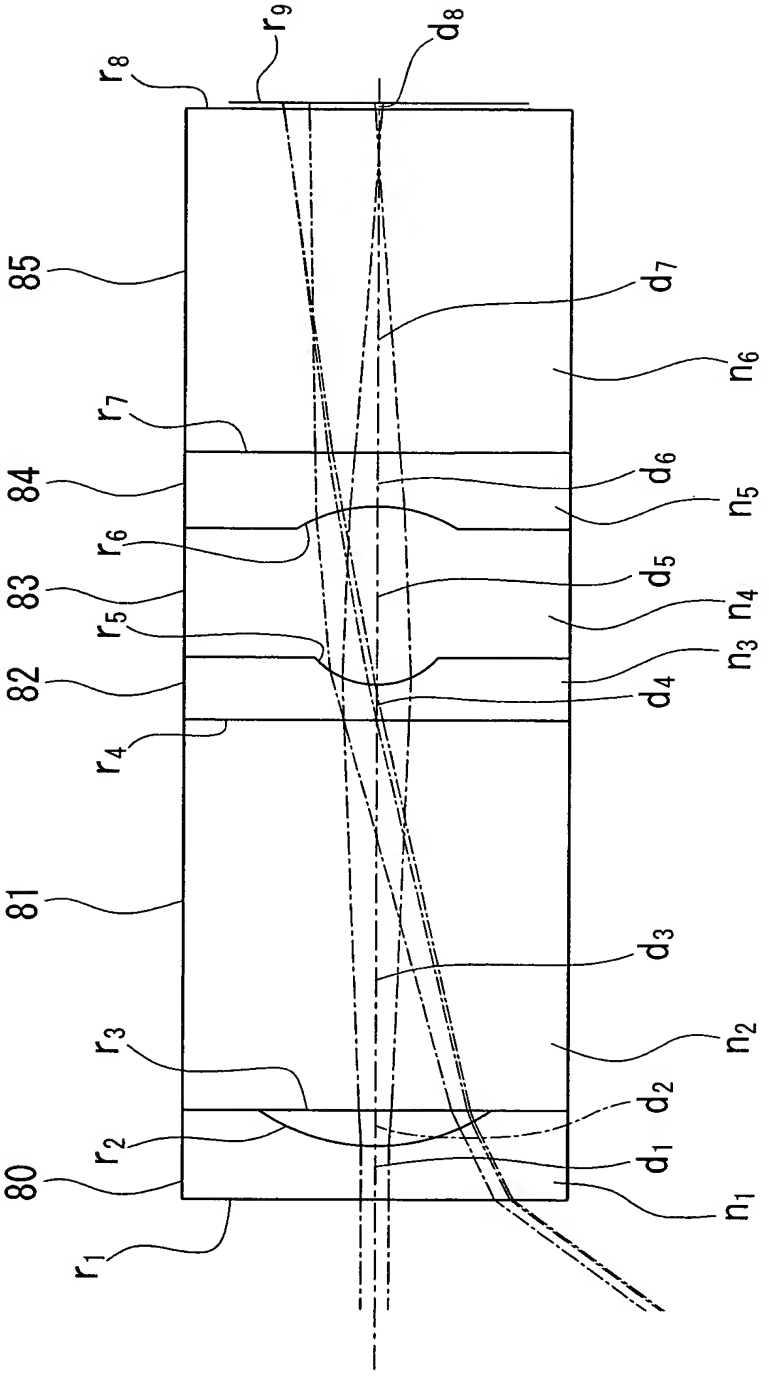


FIG. 23


r9
d8
r8
85
d7
n6
r7
84
d6
n5
r6
83
d5
n4
r5
n3
82
d4
r4
81
d3
r3
n2
d2
r2
d1
80
n1
r1

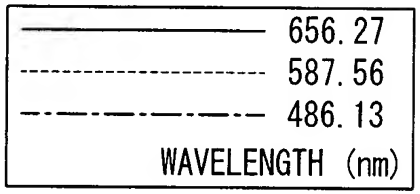


FIG. 24A SPHERICAL ABERRATION

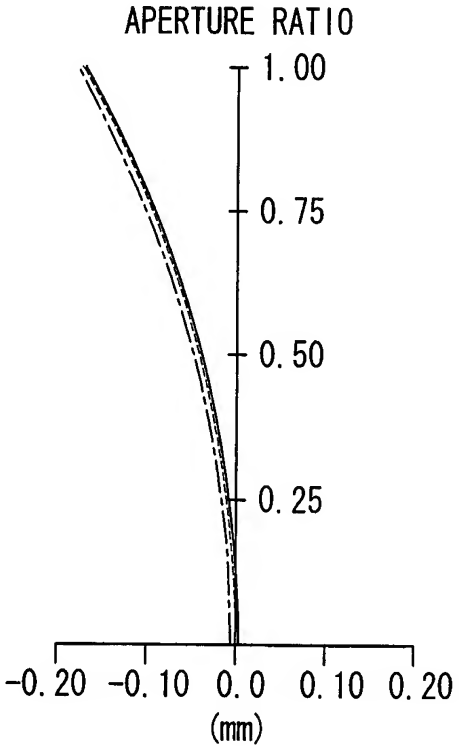


FIG. 24B ASTIGMATISM

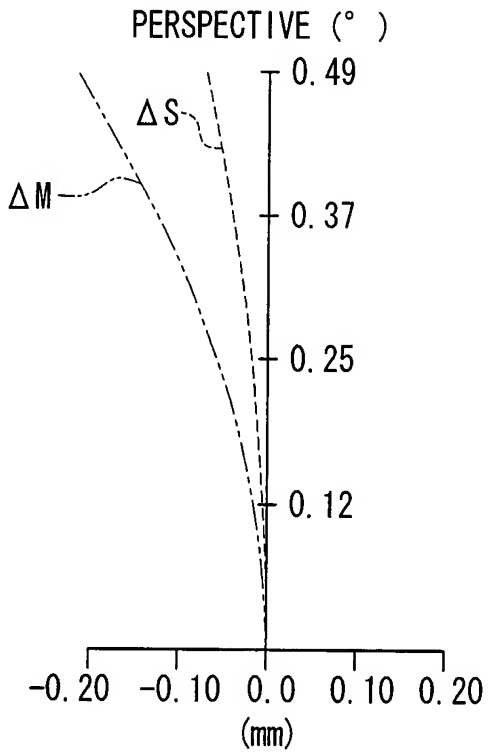


FIG. 24C DISTORTION

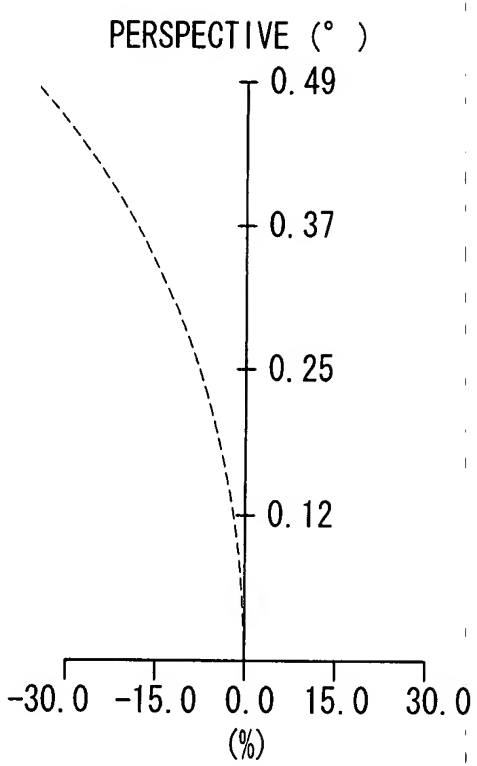


FIG. 25

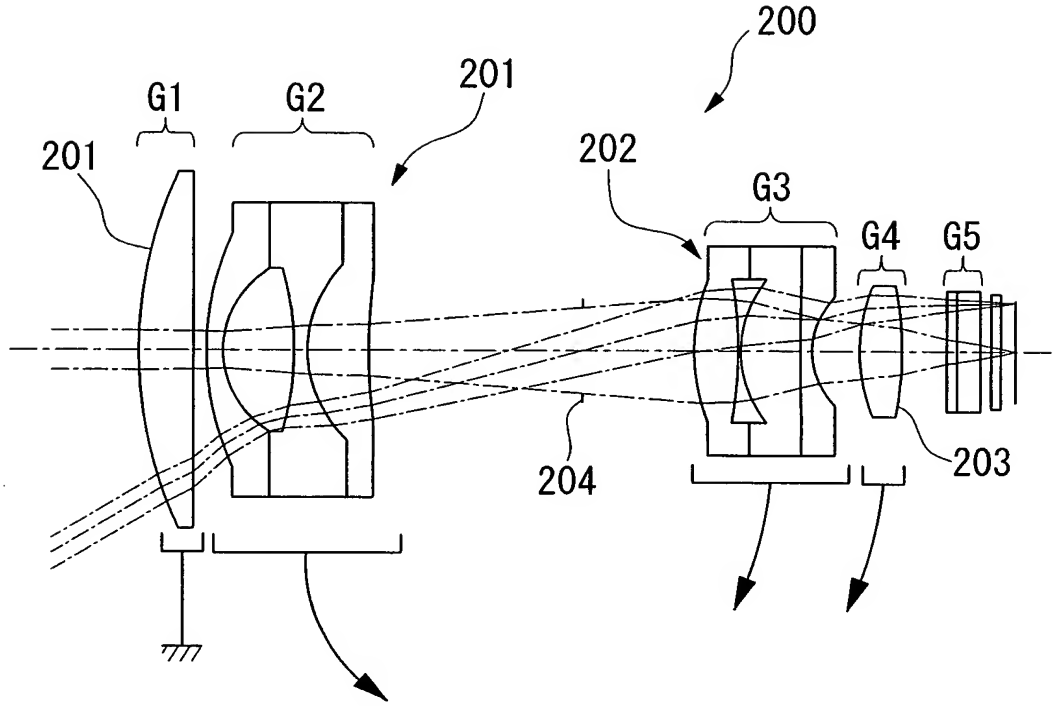

200
201
G1
G2
201
202
G3
G4
G5
204
203

FIG. 27

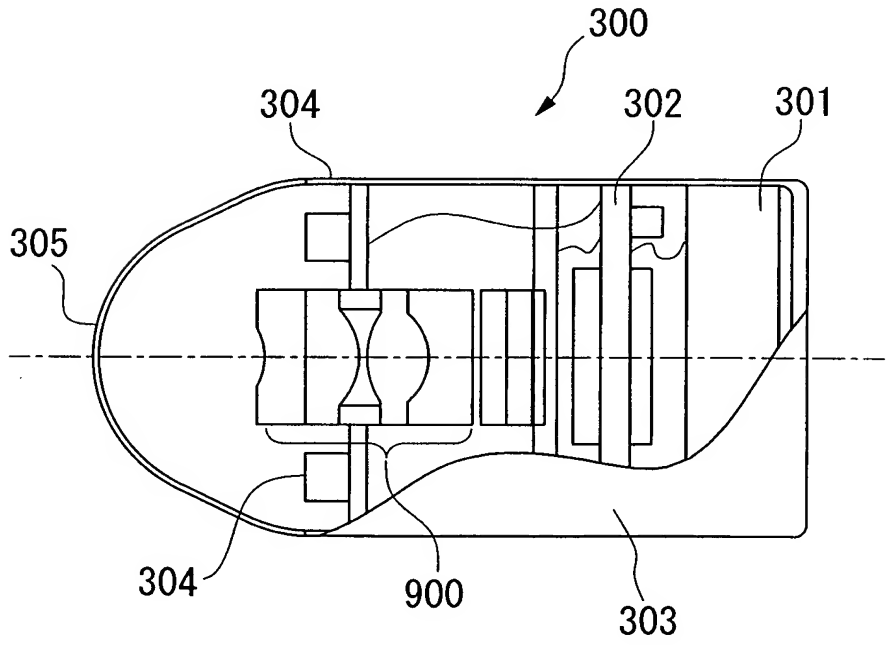

300
304
302
301
305
304
900
303

FIG. 26A

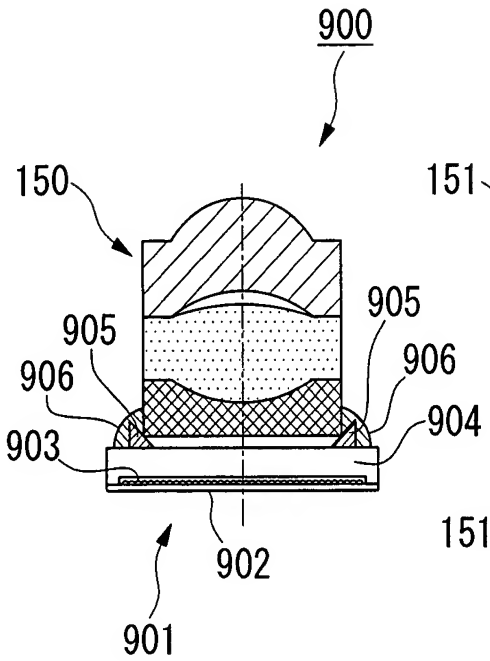


FIG. 26B

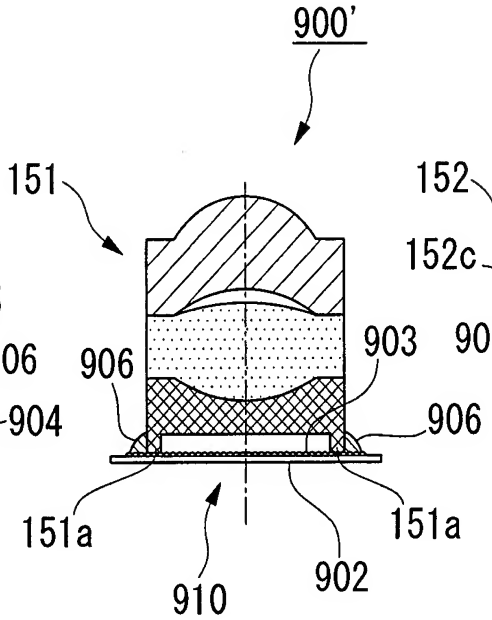


FIG. 26C

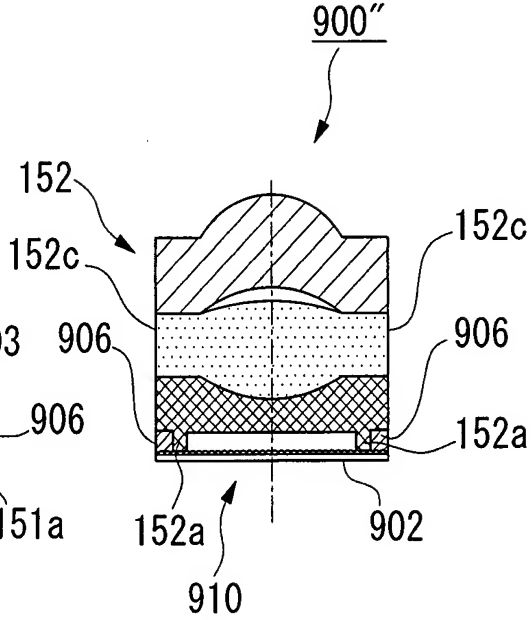


FIG. 28A

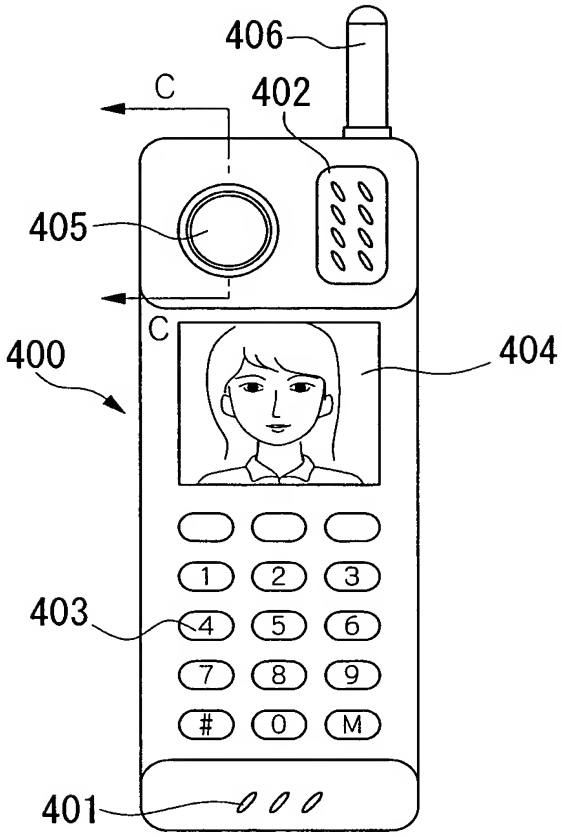


FIG. 28B

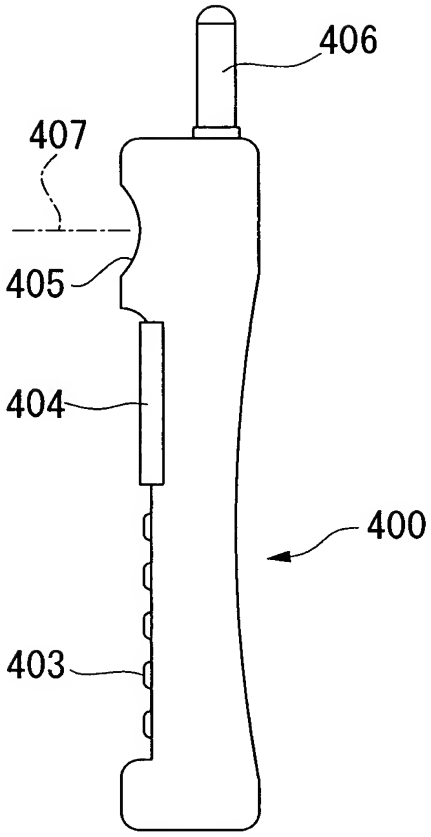


FIG. 28C

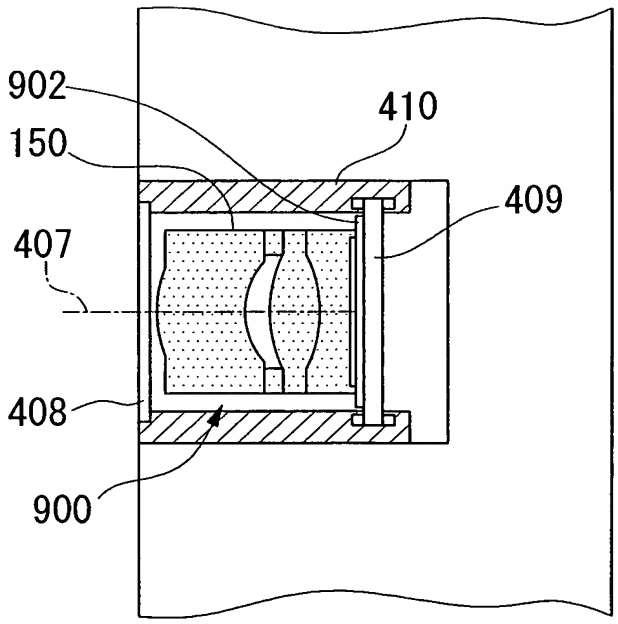


FIG. 29

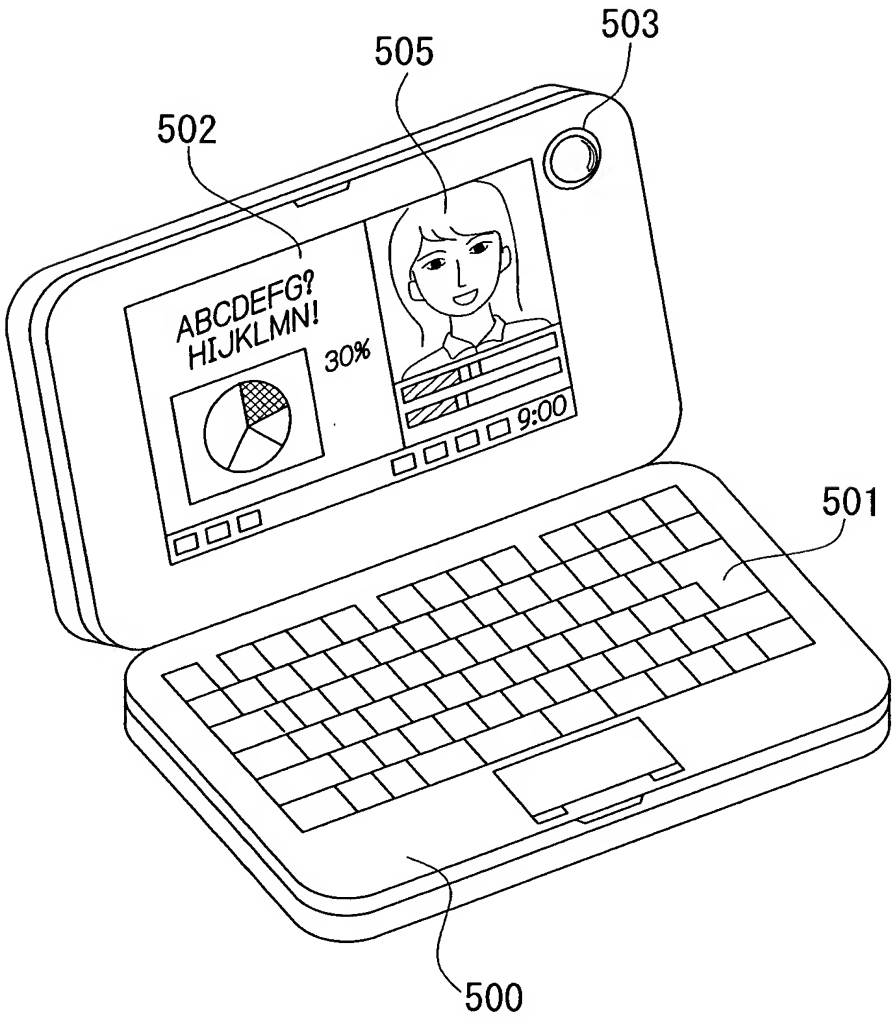


FIG. 30

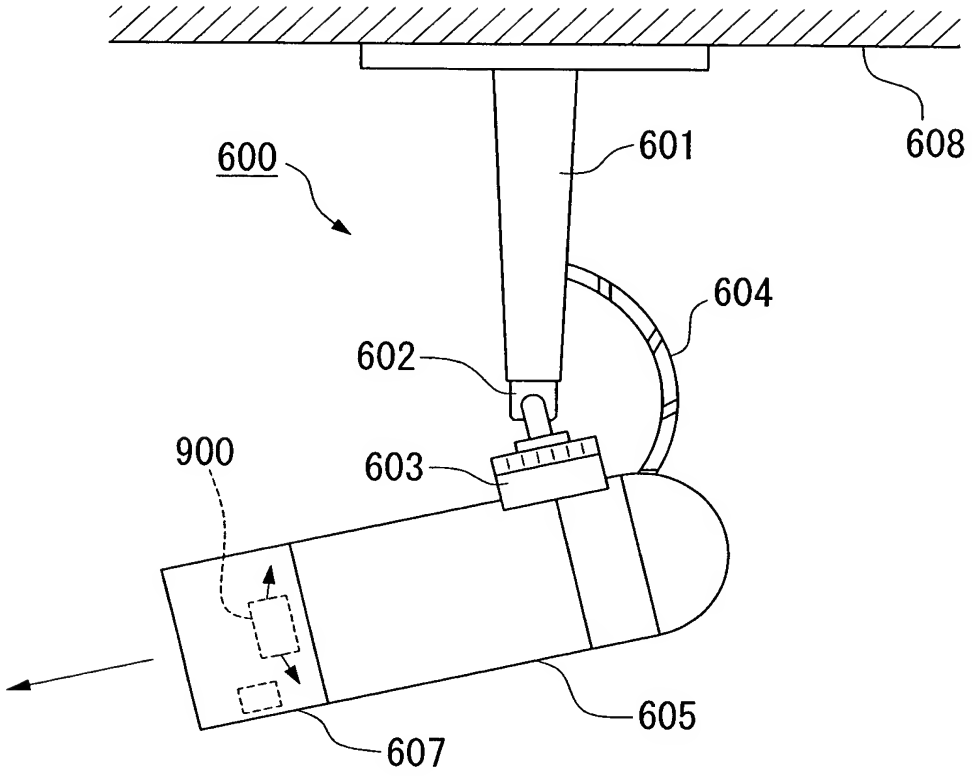
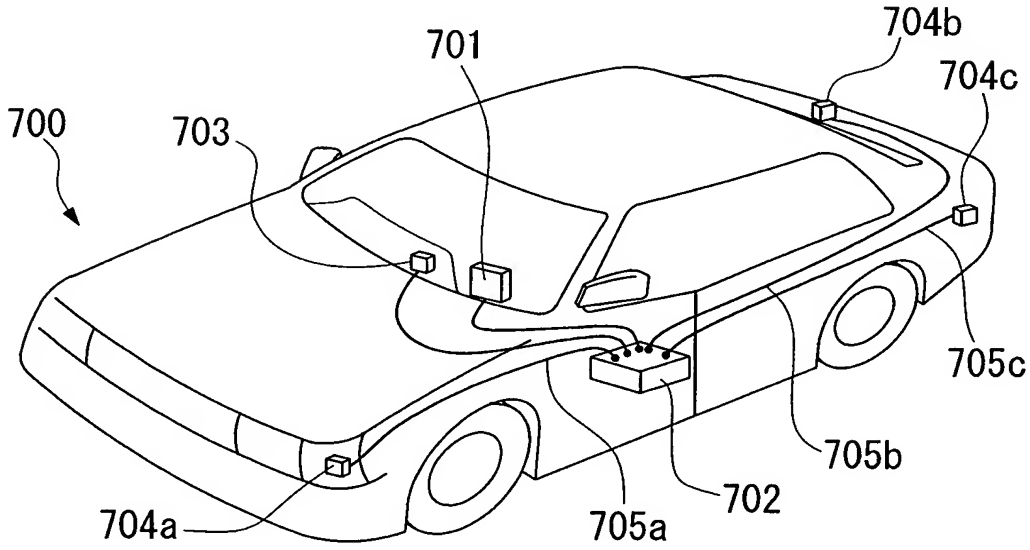

600
601
608
604
602
900
603
605
607

FIG. 31


704b
701
704c
700
703
705c
705b
702
704a
705a